

# Mathematical modeling of plasma deposition and hardening of coatings-switched electrical parameters

Kadyrmetov A., Sharifullin S., Pustovalov A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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## Abstract

This paper presents the results of simulation of plasma deposition and hardening of coatings in modulating the electrical parameters. Mathematical models are based on physical models of gas-dynamic mechanisms more dynamic and thermal processes of the plasma jet. As an example the modeling of dynamic processes of heterogeneous plasma jet, modulated current pulses indirect arc plasma torch.

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